

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1308951

Luminaire Tested: P3SQAS09R259035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

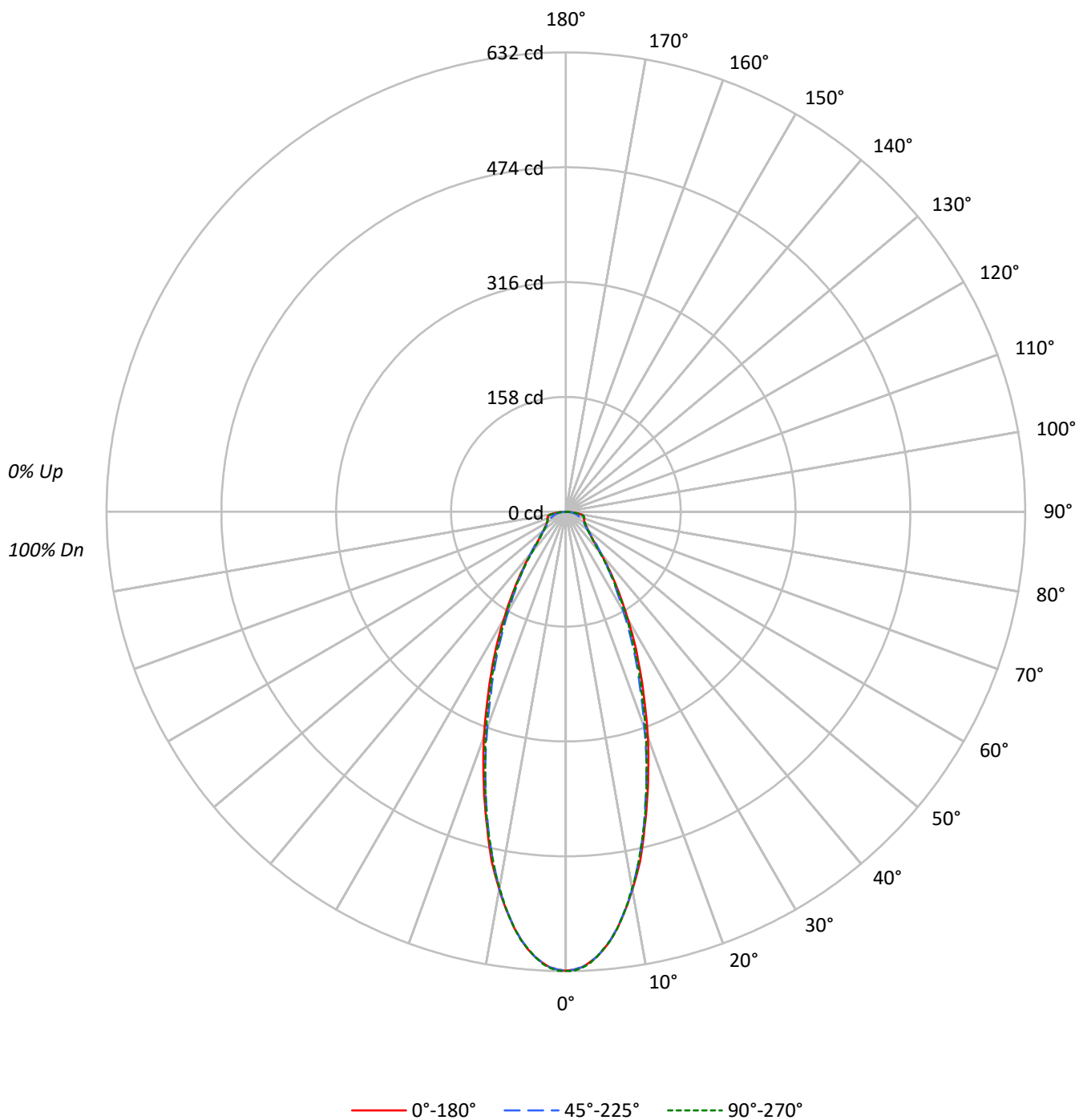
Lumens per Lamp: N/A
Luminaire Lumens: 477.0 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	108776	108776	108776
5°	104368	104230	104230
10°	92266	92126	91864
15°	76187	75117	75527
20°	60371	57878	58850
25°	45967	43535	44675
30°	33867	31480	32833
35°	24241	23127	23442
40°	16614	16951	16097
45°	12300	13030	12105
50°	10690	10690	10503
55°	10179	9728	10179
60°	10368	9610	10368
65°	11370	9821	11370
70°	13646	9869	13294
75°	17035	10514	17035
80°	21720	11207	20133
85°	17784	10473	17784

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 21720 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	11.6
10°-20°	117.1	24.6
20°-30°	107.3	22.5
30°-40°	70.8	14.8
40°-50°	41.2	8.6
50°-60°	30.1	6.3
60°-70°	25.5	5.4
70°-80°	21.1	4.4
80°-90°	8.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	279.5	58.6
0°-40°	350.3	73.4
0°-60°	421.6	88.4
0°-90°	477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	477.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	604	603	603	604	603	55
15°	427	426	421	423	424	118
25°	242	235	229	230	235	111
35°	115	113	110	110	112	73
45°	50	52	54	50	50	41
55°	34	34	32	33	34	31
65°	28	26	24	26	28	28
75°	26	20	16	20	26	27
85°	9	10	5	10	9	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	631.6	631.6	631.6	631.6	631.6
1°	630.1	630.1	630.1	630.1	631.6
2°	627.1	626.3	627.1	627.1	627.8
3°	621.0	621.0	621.0	621.0	622.5
4°	613.5	613.5	613.5	613.5	613.5
5°	603.7	602.9	602.9	603.7	602.9
6°	591.6	591.6	591.6	591.6	592.4
7°	578.1	577.3	577.3	576.6	578.1
8°	562.2	562.2	561.5	560.7	562.2
9°	545.7	546.4	544.9	544.2	544.2
10°	527.6	526.8	526.8	526.8	525.3
11°	509.5	507.2	506.5	506.5	508.0
12°	491.4	487.6	486.1	486.1	486.1
13°	469.5	468.0	465.8	464.3	465.0
14°	447.7	447.7	443.9	443.9	445.4
15°	427.3	425.8	421.3	422.8	423.6
17.5°	376.8	373.8	368.5	368.5	369.3
20°	329.4	324.1	315.8	319.6	321.1
22.5°	282.6	277.4	269.1	272.8	274.3
25°	241.9	235.1	229.1	229.9	235.1
27.5°	205.0	197.5	191.4	193.7	196.7
30°	170.3	165.8	158.3	162.0	165.1
32.5°	140.9	137.2	131.9	134.2	137.2
35°	115.3	113.1	110.0	110.0	111.5
37.5°	93.5	92.7	91.2	90.4	89.7
40°	73.9	75.4	75.4	73.9	71.6
42.5°	60.3	61.8	63.3	60.3	58.0
45°	50.5	52.0	53.5	50.5	49.7
47.5°	44.5	45.2	46.0	44.5	43.7
50°	39.9	39.9	39.9	39.2	39.2
52.5°	36.9	36.2	35.4	36.2	36.2
55°	33.9	33.9	32.4	33.2	33.9
57.5°	31.7	30.9	30.1	30.9	31.7
60°	30.1	28.6	27.9	28.6	30.1
62.5°	28.6	27.1	25.6	27.1	28.6
65°	27.9	25.6	24.1	25.6	27.9
67.5°	27.1	24.1	21.9	24.1	27.1
70°	27.1	22.6	19.6	22.6	26.4
72.5°	26.4	21.1	18.1	21.1	26.4
75°	25.6	19.6	15.8	19.6	25.6
77.5°	24.9	18.1	13.6	18.1	24.1
80°	21.9	16.6	11.3	16.6	20.3
82.5°	15.8	13.6	9.0	13.6	15.1
85°	9.0	9.8	5.3	9.8	9.0
87.5°	1.5	2.3	1.5	3.8	3.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)